

## Demonstrated Operations Status of GDAAC Mission-Critical Capabilities

Activity	Functionality Demonstrated	Comments	Performance Isolated	Demonstrated Under Load	Comments
<b>Ingest:</b> MODIS L0 data	Yes		EDOS: Yes	Not Checked	Demonstrated full volume under minimal other load, 5/ 4 -5/7/99
MODIS Expedited data	Yes				
Aster Expedited data	Yes				
EDOS s/c ancillary data	Maybe	All but APID05 - not received			
FDD attitude data	Yes		FDD: Yes	Not Checked	full vol, min load 5/4-5/7/99
(Larry) NCEP Final Analysis (GDAS_02F)	No	NCR 18417; our format bad; waiting on CCR from ESDIS, 3/31	Not Checked		Demonstrated full volumes but with old GDAS format; require new format for at-launch PGE MOD03
(Larry) TOVS Column Ozone Daily Product (OZ_DAILY)	Yes		Larry: Yes	Not Checked	Demonstrated full volume under minimal other load, 5/ 4 -5/7/99
(Larry) EP-TOMS Column ozone (OZONEEP)	Yes				
(Larry) Reynolds weekly SST (REYNSST)	Yes				
(Larry) NCEP 0.5 degree Ice Concentration (SEA_ICE)	Yes				
(Larry) FNMOC Ocean Mixed Layer Depth (FNMOC_ML)	Yes				
<b>Archive:</b> MODIS L0 data	Yes		Yes	Not Checked	Demonstrated full volume under minimal other load, 5/ 4 -5/7/99
FDD attitude data	Yes		Yes	Not Checked	
(Larry) NCEP Final Analysis (GDAS_02F)	No	NCR 18417	Not Checked	Not Checked	NCR 18417
(Larry) TOVS Column Ozone Daily Product	Yes		Yes	Not Checked	Demonstrated full volume under minimal other load, 5/ 4 -5/7/99
(Larry) EP-TOMS Column ozone	Yes		Yes	Not Checked	
(Larry) Reynolds weekly SST	Yes		Yes	Not Checked	
(Larry) NCEP 0.5 degree Ice Concentration	Yes		Yes	Not Checked	
(Larry) FNMOC Ocean Mixed Layer Depth	Yes		Yes	Not Checked	
DPREP output	Yes		Not Checked	Not Checked	Full archive performance for these products cannot be demonstrated until full production volumes are available
MODIS L1A	Yes		Not Checked	Not Checked	
MODIS Geolocation	Yes		Not Checked	Not Checked	
MODIS L1B	Yes		Not Checked	Not Checked	
MODIS Cloud Mask	Yes		Not Checked	Not Checked	
MODIS Atmospheric Profiles	Yes		Not Checked	Not Checked	
MODIS Volcano Alert	Yes		Not Checked	Not Checked	
<b>Produce:</b> DPREP of APID 4 and FDD data	Yes		No	Not Checked	Multiple system problems prevent full performance; working the problems with ECS support.
MODIS L1A	Yes		No	Not Checked	
MODIS Geolocation	Yes		No	Not Checked	
MODIS L1B	Yes		No	Not Checked	
MODIS L1B Subsets for LaTIS	Not Checked	PGE not in Ops yet	Not Checked	Not Checked	
MODIS Cld Mask, Atm Profiles, Voic Alert	Maybe	Requires GDAS; bad format; NCR 18417	No	Not Checked	
<b>Distribute:</b> DPREP Output to MODAPS	Yes		No	Not Checked	Full distribution performance cannot be demonstrated until production volumes will support it.
Geolocation to MODAPS	Yes		No	Not Checked	
MODIS L1B to MODAPS	Yes		No	Not Checked	
MODIS Cloud Mask to MODAPS	Yes		No	Not Checked	
Atmospheric Profile to MODAPS	Yes		No	Not Checked	
Ancillary data to MODAPS	Maybe	NCR 22510	No	Not Checked	Distribution problems: FTP push volumes inadequate; unable to write multiple-tape orders reliably;
Subsetted MODIS L1B to LaTIS	Maybe	Sent sample; proved data link	No	Not Checked	
APID 4 to LDAAC	Maybe	Need EDOS to correct hostname	No	Not Checked	

## Demonstrated Operations Status of GDAAC Mission-Critical Capabilities

Activity	Functionality Demonstrated	Comments	Performance Isolated	Demonstrated Under Load	Comments
MODIS L1A for science QA	Yes		No	Not Checked	system does not generate shipping labels.
MODIS Geolocation for science QA	Yes		No	Not Checked	
MODIS L1B for science QA	Yes		No	Not Checked	
MODIS Cloud Mask for science QA	Yes		No	Not Checked	
MODIS Atmospheric Profiles for science QA	Yes		No	Not Checked	
MODIS Volcano Alert for science QA	Yes		No	Not Checked	
MODIS Expedited Data to MCST	Yes		No	Not Checked	
ASTER Expedited Data to ASTER GDS	Yes		No	Not Checked	
ASTER Expedited Data to EDC	Yes		No	Not Checked	
Subscriptions to users	Yes		No	Not Checked	
Ad-hoc Requests to users	Not Checked	Will test when V0 Interop. works	Not Checked	Not Checked	
<b>Interoperate with V0; Valids, Search &amp; Order</b>	<b>Maybe</b>	Valids, user registration issues	Not Checked	Not Checked	Cannot check performance until functionality is green.
<b>Update Metadata:</b>	<b>Maybe</b>		Not Checked	Not Checked	Full QA update performance cannot be demonstrated until distribution volumes will support QA.
MODIS Geolocation	Maybe	tested internally in TS1	Not Checked	Not Checked	
MODIS L1B	Maybe	MCST contact in progress	Not Checked	Not Checked	
MODIS Cloud Mask	Yes		Not Checked	Not Checked	
MODIS Atmospheric Profiles	Yes		Not Checked	Not Checked	
<b>Update PGEs:</b>	<b>Not Checked</b>	Procedure not tested in Ops	Not Checked	Not Checked	Procedure not tested in Ops

Key:	Functionality	Performance
Yes	Demonstrated at GDAAC in Ops Mode on the most recent version of 4PY	>90% of Required At-Launch Performance
Maybe	Demonstrated at GDAAC on 4PY but in a mode other than Ops or on a version not currently installed in Ops.	50 - 90% of Required At-Launch Performance
No	Does not work on 4PY at GDAAC	<50% of Required At-Launch Performance
Not Checked	Not yet attempted at GDAAC	Not yet attempted at GDAAC